

**What is claimed is:**

1        1.    A liquid crystal display (LCD) panel, using dot  
2 inversion driving to present a video signal polarization  
3 arrangement spatially similar to line inversion driving on  
4 the panel, comprising:

5        a plurality of scan electrodes;  
6        a plurality of data electrodes; and  
7        a plurality of display units, each corresponding to a  
8            crossed scan electrode and data electrode and  
9            having a pixel electrode and a control  
10           transistor,

11       wherein gates of control transistors of two adjacent  
12           display units in a row between a first and second  
13           adjacent scan electrode are respectively  
14           connected to the first scan electrode and the  
15           second scan electrode, and

16       when dot inversion driving is completed for a frame on  
17           the LCD panel, display units in the same row of  
18           the frame have the same video signal polarization  
19           and display units in two adjacent rows of the  
20           frame present polarizations opposite to each  
21           other.

1        2.    The LCD panel according to claim 1, wherein gates  
2 of control transistors of two adjacent display units in a  
3 column between two adjacent data electrodes are not  
4 connected to the same scan electrode.

1           3.    The LCD panel according to claim 1, further  
2    comprising a common electrode, connected to each pixel  
3    electrode to form a liquid crystal capacitor for each  
4    display unit.

1           4.    A driving method for an LCD panel including a  
2    plurality of scan electrodes, a plurality of data  
3    electrodes, and a plurality of display units, each  
4    corresponding to a crossed scan electrode and data electrode  
5    and having a pixel electrode and a control transistor, the  
6    driving method comprising the steps:

7           changing display unit arrangement on the LCD panel such  
8           that gates of control transistors of two adjacent  
9           display units in the same row are respectively  
10          connected to a first scan electrode and a second  
11          scan electrode, thus forming the LCD panel  
12          structure; and

13          performing dot inversion driving to the display units,  
14          wherein when the dot inversion driving is completed for  
15          a frame on the LCD panel, all display units in  
16          the same row of the frame have the same video  
17          signal polarization and display units in two  
18          adjacent rows of the frame present polarization  
19          opposite to each other.

20          5.    The driving method according to claim 4, wherein  
gates of control transistors of two adjacent display units  
in a column between two adjacent data electrodes are not  
connected to the same scan electrode.